

## CLAIMS

1. A promoter of  $\alpha$ -amylase derived from a microorganism of the genus *Bacillus*, wherein

a sequence having at least one restriction site is introduced between a vicinity of 3' end of the promoter and an initiation codon of protein, and

an activity of the promoter is higher than that of a natural promoter.

5  
10

2. The promoter according to claim 1, wherein the promoter of  $\alpha$ -amylase is derived from *Bacillus amyloliquefaciens*.

3. The promoter according to claim 1 or 2, wherein the restriction site is a restriction site for BamHI.

4. The promoter according to claim 3, wherein the promoter has a sequence of Sequence ID No. 1.

5. The promoter according to claim 1 or 2, wherein the restriction site includes restriction sites for BamHI and at least one restriction site other than the restriction site for BamHI, and the restriction site other than the restriction site for BamHI is present downstream of the BamHI cleavage site.

20  
25

6. The promoter according to claim 5, wherein the restriction site has a sequence of restriction sites for BamHI

and EcoRI, and may have a sequence of at least one restriction site between the BamHI and EcoRI restriction sites.

5 7. The promoter according to claim 6, wherein the sequence of the promoter is a sequence of Sequence ID No. 2, and the restriction sites are restriction sites for BamHI, SmaI, KpnI, SacI and EcoRI in this order from 5' end.

10 8. The promoter according to claim 5, wherein the restriction site sequence has a sequence of restriction sites for BamHI, NdeI, and XhoI in this order from 5' end.

15 9. An expression cassette having the promoter according to any one of claims 1 to 8.

10. An expression vector, wherein a gene encoding protein is inserted into a restriction site of the expression cassette of claim 9.

20 11. The expression vector according to claim 10, wherein the sequence encoding protein is a sequence of an intracellular enzyme.

12. The expression vector according to claim 10, wherein the sequence encoding protein is a sequence of phosphorylase or isomerase.

25 13. The expression vector according to claim 12, wherein the phosphorylase is trehalose phosphorylase or maltose phosphorylase.

0936145.091001  
T00T60" S4T9E660

Sub  
c1

14. The expression vector according to claim 12, wherein the isomerase is mannose isomerase.

Sub  
a11

5 15. A recombinant microorganism having the expression vector according to any one of claims 10 to 14.

Sub  
c1

16. A method for producing protein comprising the step of culturing the recombinant microorganism according to claim 15.

Add a12